

CHAPTER DISPLAY



PURPOSE

The Chapter Display contest selects the outstanding promotional exhibit that SkillsUSA student members design and construct. The display is built around and articulates a common theme that SkillsUSA establishes annually.

First, refer to General Regulations, Page 9.

CLOTHING REQUIREMENT (INTERVIEW)

For men: Official red blazer, windbreaker-style jacket or sweater; black dress slacks; white dress shirt; plain black tie with no pattern or SkillsUSA black tie from Midwest Trophy; black socks and black shoes.

For women: Official red blazer, windbreaker-style jacket or sweater; black dress slacks or skirt with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer; black sheer or skin-tone hose and black shoes. To purchase official clothing, contact Midwest Trophy Manufacturing Co. Inc. by calling 1-800-324-5996 or place your order online at www.mtmrecognition.com/skillsusa/.

Note: Contestants must wear their official contest clothing to the contest orientation meeting.

ELIGIBILITY

Open to active SkillsUSA members. Two displays from each state association may be entered in the contest: one in high school and one in college/postsecondary competition.

OBSERVER RULE

Observers will not be present during the actual judging. Displays may be viewed on Thursday during the week of the conference.

SCOPE OF THE CONTEST

Knowledge Performance

There is no written knowledge test required in this contest.

Skill Performance

This contest is a team event that begins with goal setting in relation to a theme and involves the major competencies: developing a design, teamwork, organizing work, communications, marketing a product, and demonstrating workplace skills of workmanship. These competencies are comprised of a number of sub-competencies which are listed below.

Contest Guidelines

1. The display must be designed and constructed by students who were enrolled during the school year immediately preceding the National Leadership and Skills Conference.
2. Maximum size of the display will be 4 inches wide by 4 inches deep by 7 inches high (measured from the floor and a parallel line running in front of displays). All moving parts must remain inside these dimensions. Minimum size of the displays will be 32 inches wide by 42 inches deep by 42 inches high (measured from the table top with the table parallel to the front of the display layout line). **Penalty:** Five points will be deducted for each 1/8 inch over the prescribed size for any dimension or for each 1/8 inch under the prescribed size for any dimension. If foldout portions are used in the display, they must be arranged to comply with the maximum size of the display.
3. One student in official SkillsUSA attire shall be prepared to participate in a presentation/interview component in which the student will describe the display and relate how it conforms to the theme. The student must submit a one-page, typewritten resume to the national technical committee. The presenter/interviewee should include an explanation of the process the chapter followed to determine the scope of the display, how the design was determined, how the display was constructed, what different occupational programs team members represented, how many hours were consumed in constructing the display, what parts of the display were commercially made, and how the display was designed to allow for easy setup.

The presentation/interview will be five to seven minutes in length. The presenter/interviewee must bring a one inch official SkillsUSA three-ring binder containing pictures, design sketches and drawings, and a brief description of the purpose in relation to the theme, education value, development

and construction of the display which can be used as a visual aid in helping the presenter/interviewee inform the judges about the display. **Verification:** A letter, signed by the local school administrator certifying that the display was designed and constructed by students, must be included as the first page of the notebook. The notebook must be limited to 10 pages (20 surfaces). A five point penalty will be assessed for each surface over 20.

The notebook should be brought to the display by the presenter/interviewee, used to support the presentation of the display to judges, and left at the display following the interview for further review by the judges.

4. The display may use references to state, city or school without penalty.
5. If displays use electronic equipment, surge protectors should be installed. The SkillsUSA national headquarters cannot be responsible for current surges. Consider using a power strip with a circuit breaker for 110-volt power. Displays that have electrical/electronic components should be designed so that they can be activated and deactivated with one switch. The activation time will be reduced by the interview participant and the switch will be left at the display following the interview for further review by the judges.
6. Immediately following the interviews, technical committee and judges will conduct a debriefing to inform participants about the quality of the displays and the interviews.
7. When the public visit the displays, display teams should take turns presenting their displays to interested visitors while assuring the security of their displays.

Procedure for shipment

1. Display contest entries may be shipped in advance to the national conference. Shipping instructions may be obtained from your state association director. Do not ship entries to the national association headquarters or to the convention center; such shipments will be refused. All costs incurred will be the responsibility of the local chapter or the state SkillsUSA association. All sides of the display shipment container should be clearly marked as a display and contain the name of the school and state from which it was sent. Displays should also be clearly marked with the shippers' information so it can be traced if lost at the conference. The students and their advisors should obtain specific

information from the shipper and bring copies of this information with them to the setup area to be used to locate lost shipments.

2. The display must be set up and moved out according to the schedule outlined in the National Leadership and Skills Conference program.
3. SkillsUSA will not be responsible for displays that have not been removed from the exhibit area by noon on the day following the SkillsUSA Championships contests. Failure to remove displays by this deadline could result in their damage or destruction by the clean-up crew.
4. Only students will be allowed to set up the displays, and only three students will be issued passes into the contest setup area. Students must stay in the designated area. Failure to do so will result in the disqualification of the display.

Standards and Competencies

DIS 1.0 — Develop a design for the display

- 1.1 Define the purpose of chapter displays
- 1.2 Brainstorm design ideas (theme directed and educational value focused)
- 1.3 Rank ideas most likely to be accepted
- 1.4 Establish consensus decision making
- 1.5 Read and comprehend the rules and regulations for displays
- 1.6 Identify criteria for the design (originality, creativity, innovation and motivation)
- 1.7 Develop a sketch or rough drawing for the design
- 1.8 Apply design principles of
 - 1.8.1 Function
 - 1.8.2 Balance
 - 1.8.3 Color
 - 1.8.4 Shape
 - 1.8.5 Placement of components, illustrations and lettering
 - 1.8.6 Use of type fonts and sizes
- 1.9 Select appropriate materials for the display
- 1.10 Construct the display in modular form for ease of setup and tear down
- 1.11 Install motors and motor controls to facilitate display movement
- 1.12 Program computer slide shows
- 1.13 Secure needed components from a business or industrial firm
- 1.14 Install audio equipment and controlled lighting
- 1.15 Develop steps of procedure for constructing the display

- 1.16 Evaluate the design using established criteria
- 1.17 Modify the design using evaluation data

DIS 2.0 — Work together as a team

- 2.1 Demonstrate five characteristics of effective teams
 - 2.1.1 Clear direction (understands theme and mission)
 - 2.1.2 Diversity of team members (assembles diverse team members)
 - a. Members from different CTE programs
 - b. Members from different cultures
 - c. Members of different gender
 - 1. Shared leadership (set team rules; establishes roles and responsibilities)
 - 2. Straightforward handling of controversy (disciplined approach)
 - 3. A safe, supportive climate
- 2.2 Identify style of leadership used in team work
- 2.3 Match team member skills and group activity
- 2.4 Schedule and organize team work
- 2.5 Work as a team to complete team task
- 2.6 Evaluate group process and progress toward completed display
- 2.7 Recognize and value team member contributions

DIS 3.0 — Organize work

- 3.1 Identify individuals with special skills
- 3.2 Review work rules
- 3.3 Set priorities to meet deadlines
- 3.4 Assign individuals to display construction tasks
- 3.5 Develop a time log to record worker time on task
- 3.6 Manage the work process
- 3.7 Clean up the work area, store tools, equipment and display components
- 3.8 Create a team to set up and dismantle the display efficiently

DIS 4.0 — Communicate with others (display construction and interview)

- 4.1 Formulate clear messages
- 4.2 Communicate orally with others
- 4.3 Demonstrate nonverbal communication skills
- 4.4 Demonstrate the three-step method of communication (intro, body and summary)
- 4.5 Influence others by emphasizing key topics of information

- 4.6 Exhibit knowledge of the display with confidence
- 4.7 Develop a display presentation speech
- 4.8 Practice the presentation speech
- 4.9 Demonstrate appropriate handshakes
- 4.10 Greet people with a smile and introduce yourself by number
- 4.11 Speak with appropriate volume and use inflection and word emphasis
- 4.12 Listen to questions carefully
- 4.13 Respond to questions concisely
- 4.14 Manage presentation time
- 4.15 Thank the judges for their time

DIS 5.0 — Market the display

- 5.1 Take pictures of the construction of the display
- 5.2 Organize pictures with captions in the notebook
- 5.3 Develop written pages of information with appropriate type size
- 5.4 Develop creative page backgrounds
- 5.5 Organize the notebook content beginning with an official letter from an administrator
- 5.6 End the notebook with a concluding page

DIS 6.0 — Demonstrate workplace skills

- 6.1 Demonstrate the safe operation of tools and equipment
- 6.2 Follow established rules, regulations and policies
- 6.3 Read and interpret sketches and drawings
- 6.4 Follow written and oral directions
- 6.5 Accept constructive criticism
- 6.6 Develop a work plan
- 6.7 Ask questions about tasks when necessary
- 6.8 Evaluate the quality of work
- 6.9 Maintain a safe, organized work area
- 6.10 Display initiative
- 6.11 Practice time management
- 6.12 Demonstrate a willingness to learn
- 6.13 Display enthusiasm
- 6.14 Assume responsibility for decisions and actions
- 6.15 Complete team tasks
- 6.16 Develop a packaging system to transport the display without damage
- 6.17 Demonstrate high quality workmanship including fit, lettering and finish
- 6.18 Evaluate the finished display and make appropriate modifications

Committee Identified Academic Skills

The technical committee has identified that the following academic skills are embedded in this contest.

Math Skills

- Use fractions to solve practical problems
- Use proportions and ratios to solve practical problems
- Simplify numerical expressions
- Solve practical problems involving percents
- Solve single variable algebraic expressions
- Measure angles
- Find surface area and perimeter of two-dimensional objects
- Find volume and surface area of three-dimensional objects
- Apply transformations (rotate or turn, reflect or flip, translate or slide, and dilate or scale) to geometric figures
- Construct three-dimensional models
- Make predictions using knowledge of probability
- Make comparisons, predictions and inferences using graphs and charts
- Solve problems using proportions, formulas and functions
- Find the slope of a line
- Solve practical problems involving complementary, supplementary and congruent angles
- Solve problems involving symmetry and transformation
- Use measures of interior and exterior angles of polygons to solve problems

Science Skills

- Plan and conduct a scientific investigation
- Describe factors that influence how populations change over time
- Use knowledge of the particle theory of matter
- Describe and recognize solids, liquids and gases
- Describe characteristics of types of matter based on physical and chemical properties
- Use knowledge of physical properties (shape, density, solubility, odor, melting point, boiling point and color)
- Use knowledge of chemical properties (acidity, basicity, combustibility and reactivity)
- Use knowledge of classification of elements as metals, metalloids and nonmetals
- Describe and demonstrate simple compounds (formulas and the nature of bonding)
- Understand the Law of Conservation of Matter and Energy

- Describe phases of matter
- Describe and identify physical changes to matter
- Predict chemical changes to matter (types of reactions, reactants and products; and balanced equations)
- Use knowledge of potential and kinetic energy
- Use knowledge of mechanical, chemical and electrical energy
- Use knowledge of heat, light and sound energy
- Use knowledge of temperature scales, heat and heat transfer
- Use knowledge of sound and technological applications of sound waves
- Use knowledge of the nature and technological applications of light
- Use knowledge of speed, velocity and acceleration
- Use knowledge of Newton's laws of motion
- Use knowledge of work, force, mechanical advantage, efficiency and power
- Use knowledge of simple machines, compound machines, powered vehicles, rockets and restraining devices
- Use knowledge of principles of electricity and magnetism
- Use knowledge of static electricity, current electricity and circuits
- Use knowledge of magnetic fields and electromagnets
- Use knowledge of motors and generators

Language Arts Skills

- Provide information in conversations and in group discussions
- Provide information in oral presentations
- Demonstrate use of verbal communication skills: word choice, pitch, feeling, tone and voice
- Demonstrate use of nonverbal communication skills: eye contact, posture and gestures using interviewing techniques to gain information
- Analyze mass media messages
- Demonstrate comprehension of a variety of informational texts
- Use text structures to aid comprehension
- Identify words and phrases that signal an author's organizational pattern to aid comprehension
- Understand source, viewpoint and purpose of texts
- Organize and synthesize information for use in written and oral presentations
- Demonstrate knowledge of appropriate reference materials

- Use print, electronic databases and online resources to access information in books and articles
- Demonstrate narrative writing
- Demonstrate expository writing
- Demonstrate persuasive writing
- Demonstrate informational writing
- Edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure and paragraphing

Connections to National Standards

State-level academic curriculum specialists identified the following connections to national academic standards.

Math Standards

- Geometry
- Measurement
- Data Analysis and Probability
- Problem Solving
- Communication
- Connections
- Representation

Source: NCTM Principles and Standards for School Mathematics. To view high school standards, visit: standards.nctm.org/document/chapter7/index.htm. Select "Standards" from menu.

Science Standards

Understands the nature of scientific inquiry
Understands the scientific enterprise

Source: McREL compendium of national science standards. To view and search the compendium, visit: www.mcrel.org/standards-benchmarks/.

Language Arts Standards

- Students read a wide range of print and nonprint texts to build an understanding of texts, of themselves, and of the cultures of the United States and the world; to acquire new information; to respond to the needs and demands of society and the workplace; and for personal fulfillment. Among these texts are fiction and nonfiction, classic and contemporary works
- Students apply a wide range of strategies to comprehend, interpret, evaluate and appreciate texts. They draw on their prior experience, their interactions with other readers and writers, their knowledge of word meaning and of other texts, their word identification strategies, and their understanding of textual features (e.g., sound-letter correspondence, sentence structure, context and graphics)

- Students adjust their use of spoken, written and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes
- Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes
- Students apply knowledge of language structure, language conventions (e.g., spelling and punctuation), media techniques, figurative language, and genre to create, critique, and discuss print and nonprint texts
- Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate and synthesize data from a variety of sources (e.g., print and nonprint texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience
- Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge
- Students develop an understanding of and respect for diversity in language use, patterns and dialects across cultures, ethnic groups, geographic regions and social roles
- Students participate as knowledgeable, reflective, creative and critical members of a variety of literacy communities
- Students use spoken, written and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion and the exchange of information)

Source: IRA/NCTE Standards for the English Language Arts. To view the standards, visit: www.readwritethink.org/standards/index.html.

CONTEST SCORECARD

Items Evaluated	Possible Points
Educational Information	150
Notebook	200
Layout and Design	150
Central Theme	75
Creativity and Originality	225
Workmanship	100
Student Presentation	100

Sub Total	1,000
Over/under Size Penalty	_____
Clothing Penalty	_____
Résumé Penalty	_____
TOTAL	_____